

DESCRIPTION

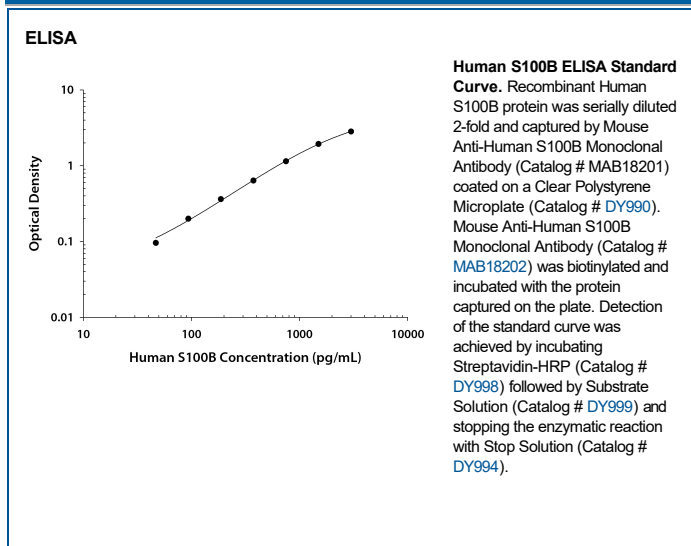
Species Reactivity	Human
Specificity	Detects human S100B in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 721703
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human S100B Lys1-Glu92 Accession # P04271
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

ELISA	This antibody functions as an ELISA capture antibody when paired with Mouse Anti-Human S100B Monoclonal Antibody (Catalog # MAB18202). <i>This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human S100B DuoSet ELISA Kit (Catalog # DY1820-05) for convenient development of a sandwich ELISA.</i>
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DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

S100B belongs to the S100 subgroup of the EF-hand family of Ca²⁺ binding proteins. It is a homodimer that is expressed primarily in the brain by astrocytes, oligodendrocytes and Schwann cells. S100B has multiple intracellular functions, but can also be secreted from cells to exert extracellular functions. Some of the extracellular functions of S100B may be mediated by RAGE (receptor for advanced glycation end products). Blood levels of S100B can be used to monitor the extent of brain injury and malignant melanoma.